

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059690.D
 Acq On : 13 Jan 2020 14:53
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:50 AM

Quant Time: Jan 14 08:48:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	299824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108833	38.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.76%	
35) Dibromofluoromethane	7.57	113	91530	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.08	98	352895	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	125567	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114984	46.256	ug/l	99
3) Chloromethane	2.04	50	110617	28.041	ug/l	99
4) Vinyl Chloride	2.17	62	134518	35.960	ug/l	98
5) Bromomethane	2.54	94	78271	35.992	ug/l	99
6) Chloroethane	2.68	64	59783	28.435	ug/l	96
7) Trichlorofluoromethane	3.00	101	154048	37.533	ug/l	100
8) Diethyl Ether	3.39	74	54270	42.319	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86569	41.854	ug/l	92
10) Methyl Iodide	3.93	142	138310	50.511	ug/l	95
11) Tert butyl alcohol	4.73	59	91768	178.817	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87601	43.416	ug/l	89
13) Acrolein	3.58	56	61323	167.748	ug/l	99
14) Allyl chloride	4.30	41	120678	29.135	ug/l #	87
15) Acrylonitrile	4.94	53	214880	173.101	ug/l	99
16) Acetone	3.78	43	189365	113.941	ug/l	96
17) Carbon Disulfide	4.03	76	252034	36.377	ug/l	100
18) Methyl Acetate	4.29	43	125633	36.076	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	288547	40.503	ug/l	94
20) Methylene Chloride	4.52	84	96006	39.998	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	93895	41.744	ug/l	88
22) Diisopropyl ether	5.92	45	270307	35.398	ug/l	97
23) Vinyl Acetate	5.86	43	997140	166.393	ug/l	95
24) 1,1-Dichloroethane	5.82	63	163828	37.874	ug/l	98
25) 2-Butanone	6.80	43	296293	149.088	ug/l	94
26) 2,2-Dichloropropane	6.80	77	154843	39.386	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	108397	43.490	ug/l	88
28) Bromochloromethane	7.17	49	64879	43.738	ug/l #	77
29) Tetrahydrofuran	7.18	42	187979	155.242	ug/l	89
30) Chloroform	7.35	83	171380	40.250	ug/l	98
31) Cyclohexane	7.63	56	152665	37.352	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	159739	41.613	ug/l	96
36) 1,1-Dichloropropene	7.77	75	131398	42.024	ug/l	96
37) Ethyl Acetate	6.90	43	118194	32.524	ug/l	97
38) Carbon Tetrachloride	7.75	117	140864	43.416	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	161372	45.500	ug/l	91
40) Benzene	8.02	78	382885	41.903	ug/l	99
41) Methacrylonitrile	7.15	41	59306m	39.543	ug/l	
42) 1,2-Dichloroethane	8.10	62	131251	37.507	ug/l	96
43) Isopropyl Acetate	8.14	43	209119	37.012	ug/l #	95
44) Trichloroethene	8.82	130	109313	45.672	ug/l	95
45) 1,2-Dichloropropane	9.10	63	96847	39.249	ug/l	99
46) Dibromomethane	9.19	93	68511	42.381	ug/l	91
47) Bromodichloromethane	9.39	83	137392	42.628	ug/l	99
48) Methyl methacrylate	9.18	41	94743	36.960	ug/l	91
49) 1,4-Dioxane	9.18	88	36631	997.163	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	609714	180.995	ug/l	95
52) Toluene	10.14	92	247517	44.086	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	157061	42.136	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	165907	42.343	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	96045	43.595	ug/l	98
56) Ethyl methacrylate	10.42	69	151176	46.223	ug/l	92
57) 1,3-Dichloropropane	10.70	76	157509	41.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	251404	241.692	ug/l	91
59) 2-Hexanone	10.74	43	472415	177.936	ug/l	95
60) Dibromochloromethane	10.89	129	112811	46.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104173	44.585	ug/l	99
64) Tetrachloroethene	10.62	164	119894	47.946	ug/l	97
65) Chlorobenzene	11.43	112	266779	45.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	102258	46.383	ug/l	99
67) Ethyl Benzene	11.50	91	480373	45.851	ug/l	96
68) m/p-Xylenes	11.62	106	367933	95.103	ug/l	94
69) o-Xylene	11.94	106	177532	48.227	ug/l	95
70) Styrene	11.96	104	306943	51.897	ug/l	96
71) Bromoform	12.12	173	84932	51.249	ug/l #	99
73) Isopropylbenzene	12.24	105	479218	46.172	ug/l	100
74) N-amyl acetate	12.06	43	190441	40.001	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	139075	42.241	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113787m	34.764	ug/l	
77) Bromobenzene	12.52	156	122248	47.894	ug/l	81
78) n-propylbenzene	12.59	91	542486	44.216	ug/l	97
79) 2-Chlorotoluene	12.67	91	314970	42.456	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	402750	45.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52586	39.681	ug/l	92
82) 4-Chlorotoluene	12.77	91	324009	42.655	ug/l	95
83) tert-Butylbenzene	12.99	119	348365	46.834	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	399631	45.757	ug/l	98
85) sec-Butylbenzene	13.17	105	464419	46.937	ug/l	98
86) p-Isopropyltoluene	13.28	119	423076	47.211	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	213370	45.460	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	212274	44.858	ug/l	97
89) n-Butylbenzene	13.61	91	370792	44.133	ug/l	98
90) Hexachloroethane	13.87	117	80181	47.335	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	210608	45.499	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30472	31.434	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	135284	45.261	ug/l	99
94) Hexachlorobutadiene	15.01	225	69562	43.459	ug/l	99
95) Naphthalene	15.13	128	385691	43.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128888	42.634	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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